

Atty Docket No. 020752-000121US

PTO FAX NO.: 703-872-9318

ATTENTION: Examiner Kielin, Erik  
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Group Art Unit 2813

**OFFICIAL COMMUNICATION**  
**FOR THE PERSONAL ATTENTION OF**  
**EXAMINER Erik Kielin**

**CERTIFICATION OF FACSIMILE TRANSMISSION**

I hereby certify that the following documents in Application No. 09/977,069, filed October 11, 2001 for SELF-ASSEMBLED NEAR-ZERO-THICKNESS MOLECULAR LAYERS AS DIFFUSION BARRIERS FOR CU METALLIZATION are being facsimile transmitted to the Patent and Trademark Office on the date shown below.

Document(s) Attached

1. Transmittal
2. Amendment
3. Article by Yin et al.

Number of pages being transmitted, including this page: 20

Dated: September 11, 2003

  
Patrick Jewik

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PTO/SB/21 (05-03)

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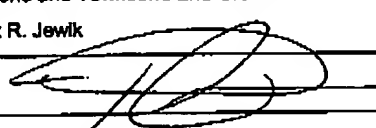
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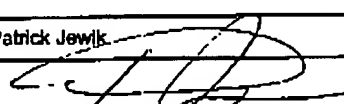
<b>TRANSMITTAL FORM</b> (to be used for all correspondence after initial filing)	Application Number	09/977,089
	Filing Date	October 11, 2001
	First Named Inventor	Ramanath, G.
	Art Unit	2813
	Examiner Name	Klein, Erik J.
Total Number of Pages in This Submission	Attorney Docket Number	020752-000121US

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s)	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Article by Yin et al.
Remarks	The Commissioner is authorized to charge any additional fees to Deposit Account 20-1430.	

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Date	September 11, 2003

CERTIFICATE OF MAILING	
I hereby certify that this correspondence is being facsimile transmitted to the Patent and Trademark Office, Fax No. (703) 872-9318 on September 11, 2003	
Typed or printed name	Patrick Jewik
Signature	
Date	September 11, 2003

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PATENT  
Attorney Docket No.: 020752-000210US

On 9/11/03

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By: [Signature]

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of:

G. Ramanath, et al.

Application No.: 09/977,069

Filed: October 11, 2001

For: SELF-ASSEMBLED SUB-  
NANOLAYERS AS INTERFACIAL  
ADHESION ENHANCERS AND  
DIFFUSION BARRIERS FOR  
INTEGRATED CIRCUITS

Customer No.: 20350

Confirmation No.: 9488

Examiner: Erik Kielin

Technology Center/Art Unit: 2813

REQUEST FOR RECONSIDERATION

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In response to the Office Action mailed June 11, 2003, please enter these remarks:

**Amendments to the Claims** are reflected in the listing of claims which begins on page 2 of this paper.

**Remarks/Arguments** begin on page 5 of this paper.